

Catalog #:	
Project :	
Туре :	Date:
Notes:	
etrofit	CDL1APEX [™] SERIES

LED Commercial Down Light New Construction / Retrofit

DESCRIPTION

Robust Commercial Downlight Retrofit engineered for demanding commercial applications. Save up to 80% in energy cost. 100% Mercury & Lead Free.

APPLICATIONS

Ideal for lighting malls, hospitals, hotels, and retail spaces. Replaces CFL & HID or Incandescent downlights for higher energy savings & aesthetics.

QUICK SHIP:

TL-CDL1APEX-6-24W-30K TL-CDL1APEX-8-30W-30K TL-CDL1APEX-6-24W-40K TL-CDL1APEX-8-30W-40K TL-CDL1APEX-6-24W-50K TL-CDL1APEX-8-30W-50K

Specification Features



High quality isolated driver; 0-10V dimming; Flicker free. Frosted Lens and Non-IC, and rated for damp locations. Beam angle is 85°.

Warranty

5 Years Limited Warranty. See warranty documentation for more information.

Ordering Information





Certification

It complies with UL & cUL certification, Energy Star Rated, and FCC.

Installation / Mounting

LED recessed downlight retrofit is supplied with a quick connect-case and conduit to make an easy connection to an existing recessed fixture frame junction box. Instant start w/NO humming.

Example: TL-CDL1APEX-6-30W

TL	CDL1APEX	6		18W		50K		[Blank]	
Brand	Series	Diameter		Nominal Wattage		Color Temp		Diffuser Type	
TL TechnoLED	CDL1APEX Commercial Downlight Retrofit	6 8 10	6 Inch 8 Inch 10 Inch	12W 18W 24W 30W 50W	12 Watt 18 Watt 24 Watt 30 Watt 50 Watt	30K 35K 40K	2700K 3000K 3500K 4000K 5000K	[Blank] Frosted	
					Co	[Bla ntrols/Moun	nk] ting/Options		
				H1 480V	AC34	17-480V Drive	er		







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CDL1APEX[™] SERIES

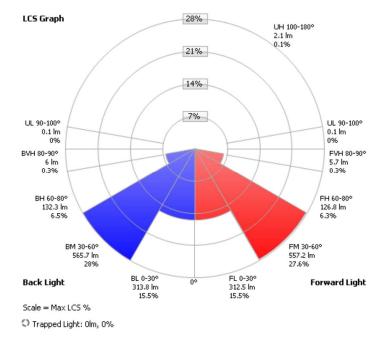
Lighting Parameters

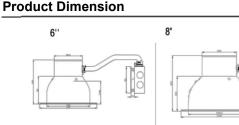
Input Voltage	AC100-277V
ССТ	3000K / 4000K / 5000K
CRI	Ra>80
Luminous efficacy	100lm/w
PF	0.90
Driver Efficiency	87%
THD	≤20%
Working temperature	-4°F~104°F
Storage temperature	-22°F~140°F
IP Rating	IP20

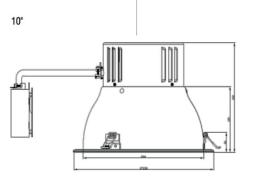
Other Features:

- Dimmable to 5% with most Lutron and Leviton 0-10V dimmers.
- Non-flicker driver optional.
- Comfortable diffused light, no dark area.
- Quick connector ,Pre-wired conduit for easy installation.
- Replacing traditional 6"and 8"CFL, HID or Incandescent down lights
- While or silver finish available.

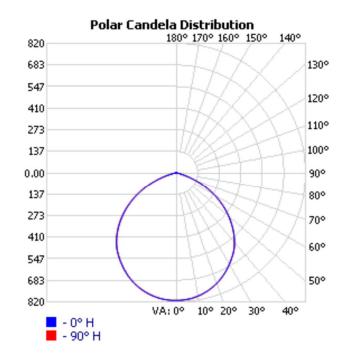
Photometric data







Part Number	L	w	н
TL-CDL1APEX-6"	7.79"	5.86"	5.67"
TL-CDL1APEX-8"	9.25"	7.50"	6.30"
TL-CDL1APEX-10"	10.74"	9.37"	7.87"



Techno USA LLC dba Techno LED Lights 2763 Meadow Church Road, Suite 140, Duluth, GA-30097 | Tel: 678-456-4810 | Fax: 678-456-4810 | Email: sales@technoledlights.com TechnoLED is a registered trademark of Techno Electromech and Techno USA LLC. Specifications and Dimensions subject to change without notice. Atlanta | San Antonio | Los Angles

Photometric data

Luminous intenity distribution diagram

Average illuminance curve

Luminous intenity distribution diagram

Average illuminance curve

(8" 18W)

172.49cm

287.49cm

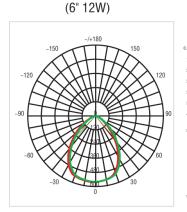
Flux out:1285

524.8,1116

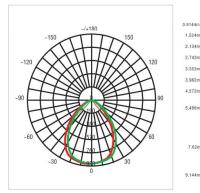
188.9,401.8lx

0.9144m

1.524m







(6" 12W) Flux out:729.5 Im 0 9144n 319 4 671 31 166 97cm 1.524m 115 0 241 7lx 278 29cm 58 66 123 3lx 389 61cm 2.134m 35.49,74.581 500.92cm 2.743m 23.76,49.931 612.24cm 3.353m 17.01,35.751 723.56cm 3.962m 12.78,26.851 834.87cm 4.572m 8.872,18.651 1001.85ci 5.486m 4.599,9.6661 7.62m 1391.46cm 3.194,6.713lx 1669.75cm 9.144m

(6" 23W)

164.65

274.41cr

384.18cm

493.95cm

603.71cm

713.48cr

823 24cr

987.89c

1372.07cm

1646 49cm

-120

.91

Flux out:1149 Im 539.6.10971

194.3,394.8lx

99,11,201,4lx

59.96,121.9Ix

40.14.81.571x

28 74 58 401

21.58.43.871x

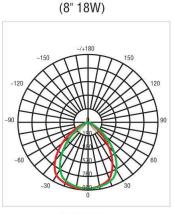
14 99 30 461

7.770.15.79

5.396,10.971x

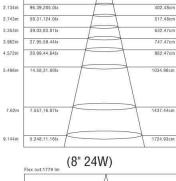
Flux out:1680 Im

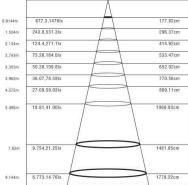
7.62m



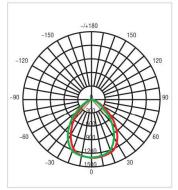
(8" 24W)

/+180

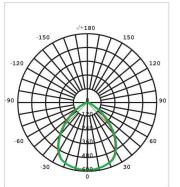




(6" 27W)



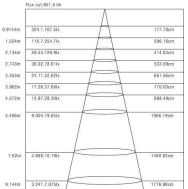
(8" 12W)



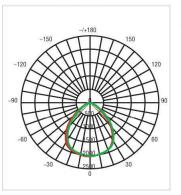
0.9144n 735.4.1553b 165.86cr 276.44cm 1.524m 264.7.558.91 135.1,285.21 387.01cm 2.134m 81.71,172.5lx 497.59cm 2.743m 3.353m 54.70.115.5lx 608.16cm 3.962m 39.16,82.681 718.74cm 4.572m 29.42,62.10 829.31cr 20.43,43.13 5.486m 995.18c 7.62m 10.59,22.36 1382.190 9.144m 7.354,15.53lx 1658.63cm

(6" 27W)

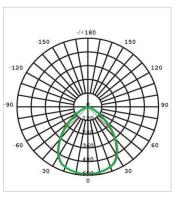
(8" 12W)

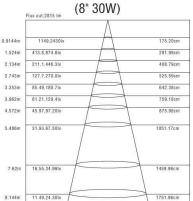


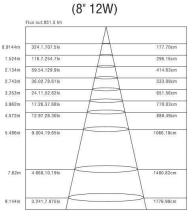




(8" 12W)







Installation Instruction

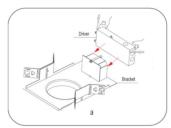
IMPORTANT SAFETY INFORMATION. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

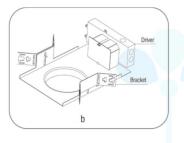
Follow label information and instructions concerning dry or Damp locations, installation near combustible material, insulation, building materials and proper lamping. WARNING-Risk of fire or electric shock, LED Retrofit Kit installation requires knowledge of luminaires electrical systems, If not qualified, do not attempt installation. Please contact a qualified electrician.

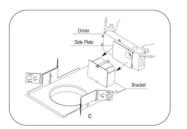
Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals, Instead installers should cut existing lamp holder Leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors. WARNING-Risk of fire or electric shock, Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawing and

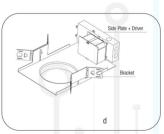
where the input rating of the retrofit kit does not exceed the input rating of the luminaire. DO NOT NAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING KIT INSTALLATION.

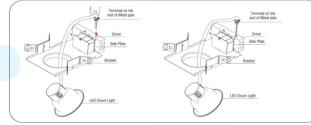
WARNING-To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.



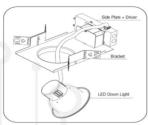


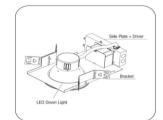






2、 Connect the Terminal of the end of Metal pipe with the Terminal of Driver





3、Connect the metal pipe with the Driver Box

 Push the LED Down light upward carefully and make sure the trim is firmly stuck by the mounting frame.

Product and Packing Information

1. Install the driver onto the Bracket as shown in figure a & b.Or Install the side plate + Driver onto the Bracket as shown in figure c & d.

Model	Outer Carton Size	Qty/Carton	N.W./Ctn	G.W./Ctn
TL-CDL1APEX-6	22.83" x 19.48" x 14.17"	8 pcs.	16.7 lbs.	26 lbs.
TL-CDL1APEX-8	22.59" x 21.85" x 15.55"	8 pcs.	18.5 lbs.	33 lbs.
TL-CDL1APEX-10	25.20" x 14.76" x 18.89"	4 pcs.	13.2 lbs.	24 lbs.

Model	Description	Input Watts	Delivered Lumens	Universal Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
TL-CDL1APEX-6-12W-zzK	Commercial Downlight (6 Inch)	12	1,200	120-277	0.11 - 0.05	≤20%	>0.9	2.1 lbs.
TL-CDL1APEX-6-18W-zzK	Commercial Downlight (6 Inch)	18	1,800	120-277	0.17 - 0.09	≤20%	>0.9	2.3 lbs.
TL-CDL1APEX-6-24W-zzK	Commercial Downlight (6 Inch)	24	2,400	120-277	0.22 - 0.12	≤20%	>0.9	2.1 lbs.
TL-CDL1APEX-8-30W-zzK	Commercial Downlight (8 Inch / 10 inch)	30	3,000	120-277	0.28 - 0.18	≤20%	>0.9	2.3/3.3 lbs.
TL-CDL1APEX-10-50W-zzK	Commercial Downlight (10 Inch)	50	5,000	120-277	0.47 - 0.25	≤20%	>0.9	3.3 lbs.

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2763 Meadow Church Road, Suite 140, Duluth, GA-30097. Phone: 678-456-4810 | Fax: 678-456-4810 | Toll Free: 1 844-552-8272 sales@technoledlights.com | www.technoledlights.com



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